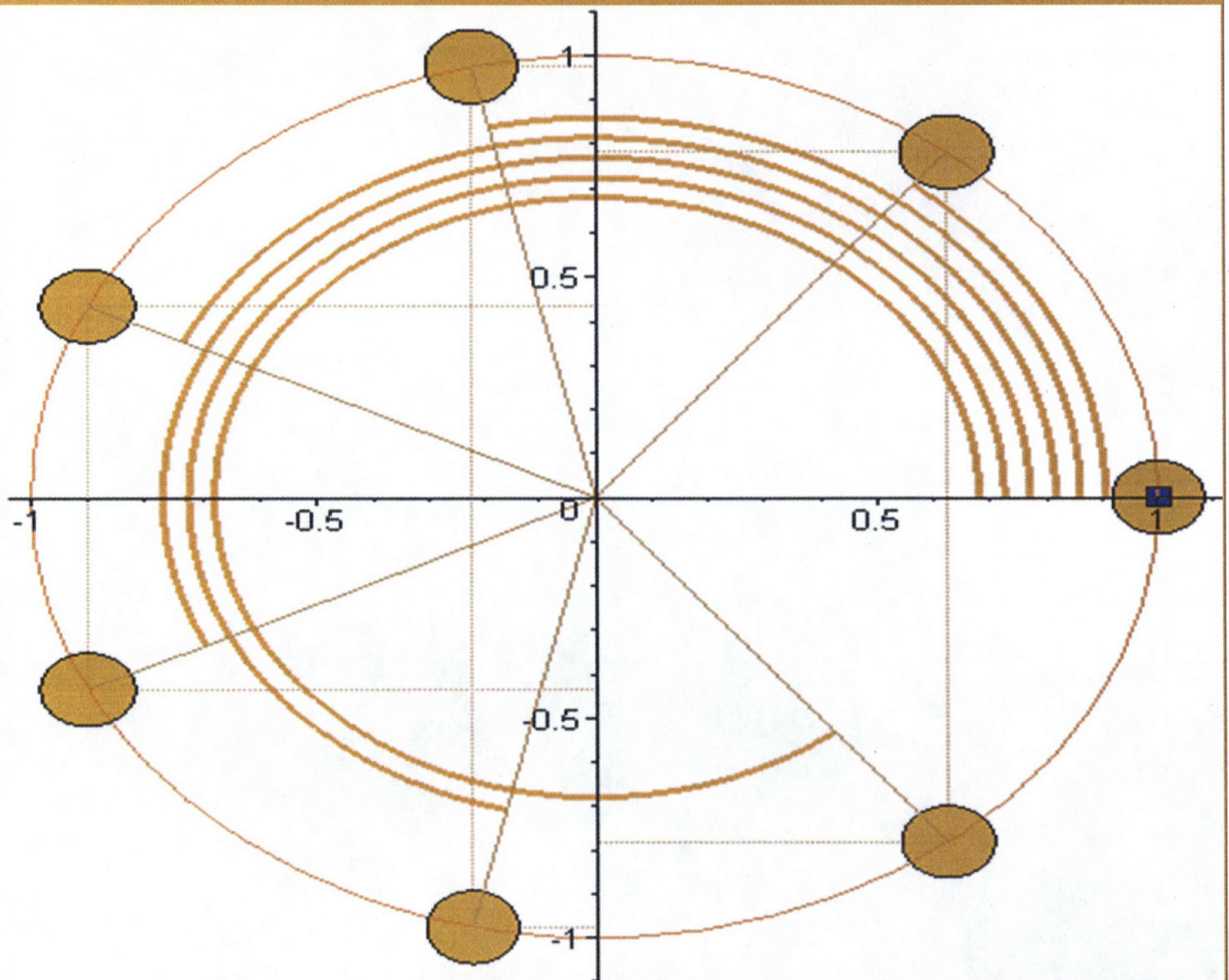


3rd ANNUAL GS-LSAMP

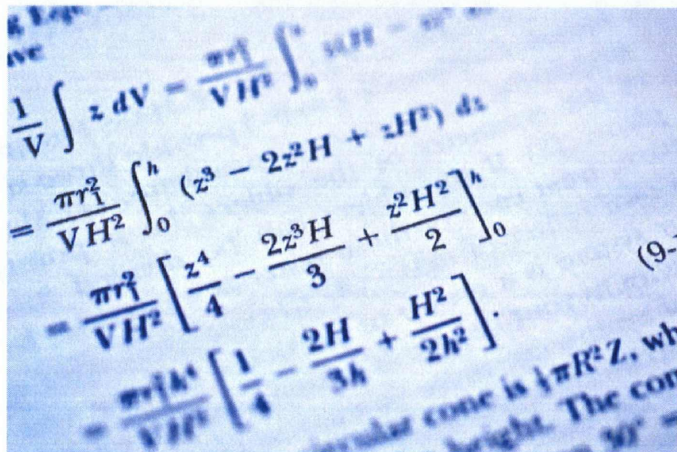
RESEARCH SYMPOSIUM

Rutgers University – Newark Campus Robeson Ctr.

April 13, 2012



PLOT your STEM career with RESEARCH



The primary goal of the 3rd Annual Garden State-Louis Stokes Alliance for Minority Participation (GS-LSAMP) Conference is to showcase the research experiences of GS-LSAMP Scholars from 2010-2012. The second goal of this symposium is to describe ways to better support and mentor the academic success of GS-LSAMP Scholars and to encourage them to pursue STEM Careers.

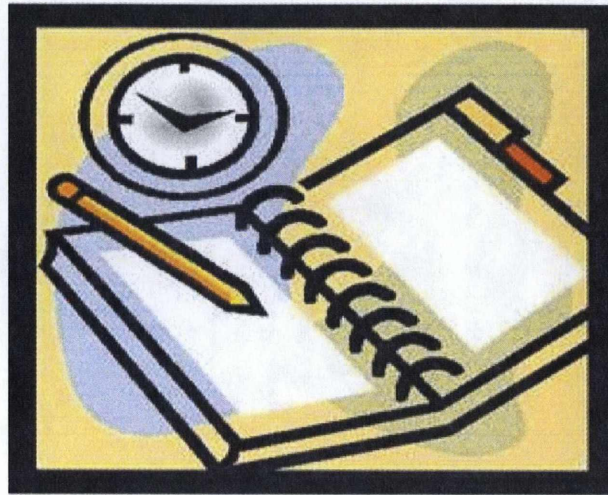
One of the main roles of the GS-LSAMP is to provide research opportunities for minority scholars. Participation in STEM research is an effective means of motivation for the pursuit of graduate education and careers in STEM.

The GS-LSAMP employs a unique clustering system to expand local opportunities among neighboring institutions for research and programs. Northern Cluster: Montclair State University, William Paterson University, Bloomfield College & Fairleigh Dickinson University. Central Cluster: Rutgers-Newark, Kean University, NJCU & Essex CCC. Southern Cluster: Rutgers-New Brunswick-School of Arts and Sciences, School of Engineering, School of Environmental Biology and Sciences.

GS-LSAMP programming has benefited many STEM students by enhancing faculty mentored research as well as bringing about changes in institutional culture and policies. Through the NSF funded GS-LSAMP services and support for research, alliance wide institutions assist minority students in their efforts to continue through the STEM pipeline and graduation.

This day-long program focuses on increasing participation in math, computer science and chemistry with an array of distinguished speakers outlining the major components of research design. Additionally, the premier organization **Math for America** will present several outstanding opportunities regarding careers in mathematics and science. Their goal is to nurture and develop the best Mathematics Teachers who will prepare, train and inspire the next generation.





Program Agenda

TIME	TOPIC
7:30 - 9:00 AM	Registration and Breakfast
9:00 AM	Thomas Hopkins, Assistant Dean introduces the Vice Chancellor of Research Dr. Alexander E. Gates, Welcome and Introductory Remarks
9:10 - 9:40 AM	Dr. Zhixiong Chen & Dr. Yi Ding NJCU Department of Mathematics Undergraduate Research: A Bridge to the Future Undergraduate students get academic, career, and personal benefits when they tackle real-life research projects.
9:40 - 10:00 AM	Bernard Lipat, NJCU GS-LSAMP Student Recipient of Poster Award Presentation at 2012 Joint Mathematics (MAA) Meeting, Boston, MA. The Effects of Liquid -Effluent radioactivity on Marine Populations. Using a modified numerical solution to the diffusion -advection-decay partial differential equation, the effects of concentration radioactive effluent on the populations of two Pacific Ocean fish species studied.

10:00 - 10:15 AM

Math for America Mentoring, Jenny Harmon
Job search support and ongoing interactive professional development opportunities
MFA Fellowships

Full-tuition scholarship to earn a Master's degree or Teacher credentialing program in Mathematics Education

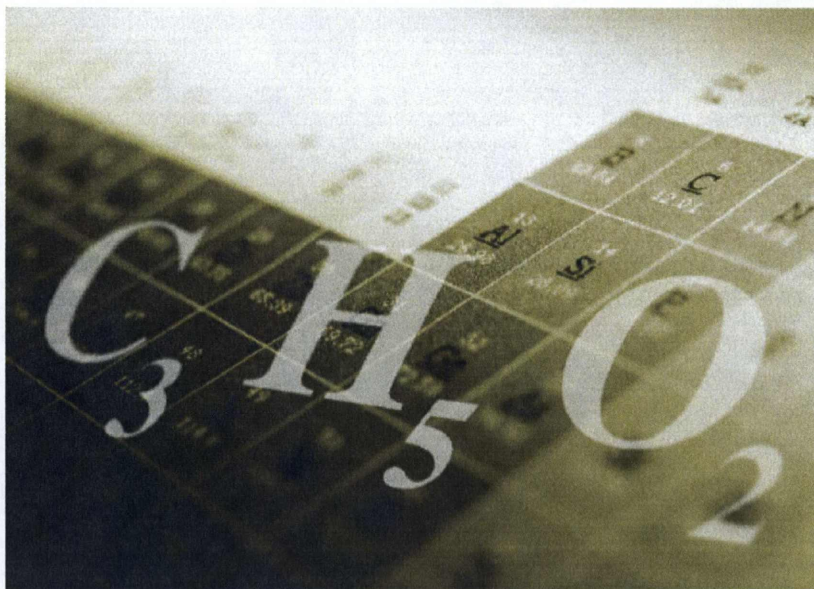
Up to \$100,000 in stipends, in addition to a full-time Teacher's salary

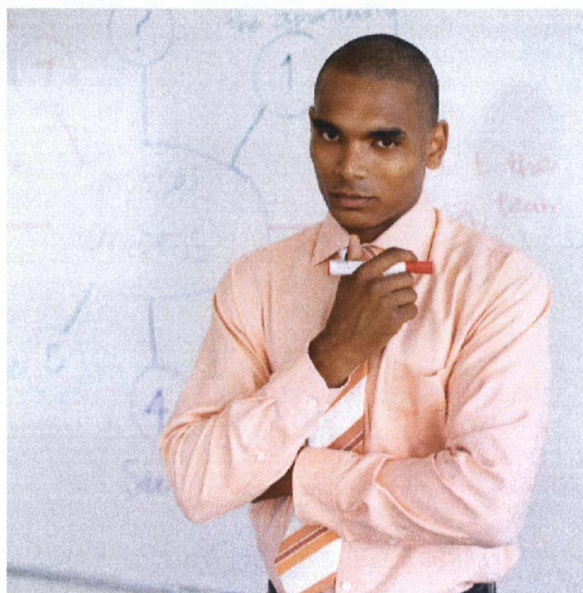
Membership in a national corps of highly qualified secondary school Mathematics Teachers

10:15 - 11:45 AM

Poster Session

GS-LSAMP Scholars from the entire alliance will present their research with support funded by NSF. Judges will review and select the top 3 poster presentations. Panel will continue to review posters during the plenary luncheon.





Lectures During Plenary Luncheon

11:50 AM -12:30 PM

**Dr. Mingyon McCall, Essex County College
Department of Applied Mathematics & Physics**

**Overcoming Adversity Especially
Being a Engineering/Science/Mathematics Major**

Graduating in the top 2% of my high school class, I was under the impression that I was academically and socially ready to take on NJIT and the world. Little did I know that I did not know how to study and that I was a highly functioning illiterate, who did not know how to count. Deficiencies such as mine were triumphed over with some effort and a lot of determination, let me show you how.

12:30 - 1:15 PM

**Dr. Maria Vogt, Bloomfield College, Professor of Chemistry and
Pre-professional Coordinator; Bloomfield College**
**“You are a Science major. Great! So what are you going to do when
you grow up?”**

Provide hints and help for science majors who may or may not know what they will be doing after graduation.

1:15 - 1:30 PM

Dr. Alexander E. Gates:
Top 3 Award Poster Presentations Announcements
Closing Remarks

Special Thanks To The
CAREER DEVELOPMENT CENTER at Rutgers University-Newark

Thomas J. Hopkins, Assistant Dean /Director
Alicia Fegghi, Program Coordinator
Michelle Bryan, Employer Relations
Henry Rodriguez, Career Management Specialist



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